

Purchase Order Receipt Listing

Page 1 of 1

Monday, August 29, 2011 7:37:56 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO14689 Receipt Dates from 8/29/2011 to 8/29/2011 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MET001	Metaux Castle								
PO14689	1		D6104-003P	Each	8/30/2011	8/29/2011	30.0000	\$42.00	0.0000	0	\$1,260.00
CAD	No		17-4 SS Roundbar 3.25"OD 72807/810	Each	30.0000	DESJ02		\$1,260.00	0.0000	0	
	2		D6104-007P	Each	8/30/2011	8/29/2011	10.0000	\$102.00	0.0000	0	\$1,020.00
	No		17-4 SS Roundbar 4.50"OD 72807/810	Each	10.0000	DESJ02		\$1,020.00	0.0000	0	
	3		D6104-009P	Each	8/30/2011	8/29/2011	10.0000	\$121.00	0.0000	0	\$1,210.00
	No		17-4 SS Roundbar 5.25"OD 72807/810	Each	10.0000	DESJ02		\$1,210.00	0.0000	0	
	4		D6104-011P	Each	8/30/2011	8/29/2011	10.0000	\$188.00	0.0000	0	\$1,880.00
	No		17-4 SS Roundbar 6.50"OD 72807/810	Each	10.0000	DESJ02		\$1,880.00	0.0000	0	
Total Received Quantity:											60.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$5,370.00
Total Balance Due Quantity:											0.0000

Receiving Report

Date: 11/18/29

Batch No: 2118701

Supplier: METAX CASTLE

Dart P/O: 14689

Packing Slip: Yes ☒ No ☐

Release Note Attached: Yes ☒ No ☐ N/A ☐

Invoice: Yes ☐ No ☒

Waybill Attached: Yes ☒ No ☐

Receipt: Cash ☐ Cr ☒

Shipment Complete: Yes ☒ No ☐ N/A ☐

QC6 Inspection ☒ N/A ☐

Work Order ☐ N/A ☐

Discrepancies

13 22507/808/808/810

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin:

Date

Received/Costing

Initial

11/18/29

Location

**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP

Page 1 of 1

Shipment No:950481

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
24-AUG-2011	ORIGIN	Prepaid		MANITOULIN		950481-2	

Shipment Details	Final Destination Branch - MON
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Order No	Line No	Item No	Description				
1651825	4	15003.MO	6.5000.RD.17CR-4NI.STAINLESS.RT.SOL TR.COND A.120.0000-168.0000 CUT TO 4.1 IN (+ .2500/- .0000 IN) - BAND SAW CUTTING SPECIFICATIONS: AISI 630,AMS 2303,AMS 5643,ASME SA564,ASTM A564,UNS S17400				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
14689		YOUR ITEM NUMBER: D6104-011		10 PCS		10 PCS	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
90825312		G17804		10			400.45

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date:

SCOT FORGE



8001 Winn Rd., Box 8
Spring Grove, IL 60061
847/587-1000
FAX 847/587-2000

PO # 108440 MATERIAL CERTIFICATION

Page 3 of 3

CASTLE METALS

Material Cert Number
710079 s8259R0


Compliance Statements:

The products supplied are in compliance with the quantity and quality requirements of the purchase order and specifications noted. The test reports represent the actual attributes of the items furnished and the test results are in full compliance with all applicable specifications and order requirements.

Castle Metals FP

HEAT NUMBER G 17804
MECHANICAL ID _____
ITEM CODE 15003
LOT NUMBER _____
PO NUMBER 108440
RECEIPT DATE 7-15-2011
SUPPLIER SCOT FORGE
SPECIFICATION _____
LCS AD
COMMENT _____
APPROVED JS

Note: The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute.


Jerry Giessinger
Corporate Quality Assurance Manager
This certification has been created and reviewed in
compliance with the Scot Forge QMS



8001 Winn Rd., Box 8
Spring Grove, IL 60061
847/587-1000
FAX 847/587-2000

PO # 108440
MATERIAL CERTIFICATION

H00160 3 SS
Heat # G17804

Page 1 of 3

S O L D	CASTLE METALS 1420 KENSINGTON RD, STE 220 Oak Brook, IL 60523	Shipping Information DATE Shipped: 07/07/2011 Via: MCKISSICK TRUCK Bill: 3-91606	Material Cert Number
			710079 s8259R0
			Revision Date 06/30/2011

Item 2 of 2	
Material	Castle Metals Specification 3174-02 Rev 33, ASME SA-564 Type 630 Condition "A" 2010 Edition, ASTM A 564-10 Type 630 Condition "A", AMS 5643R Condition "A", AMS 2303F, UNS# S17400
Heat Treat	per Specification
Destructive Test	per Specification
Finish	Rough Machine with allowance to finish Straightness = 1/8" in 5 FT allowing .063" to .083" stock on diameter
Reference	Access Code: 15003
Size	OD Random Len (inches) 6.5 108 to 156
Surface	500 RMS Saw Cut

Heat Number	# of Pieces	(MILL - UNIVERSAL STAINLESS)
G17804	2	MSDS Previously Sent

Note: Additional prefix letter stamped on product with heat number is for our inventory purposes only and not relevant to heat number.

Chemical Composition (Wt. %)

C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Al	V
0.029	0.74	0.020	0.005	0.35	4.77	15.36	0.23	3.27	<0.01	0.06
Cb	N	Ta	B	Co	Sn	Ti	W			
0.25	0.026	<0.01	<0.001	0.05	0.006	<0.01	<0.05			
Cb+Ta										
0.26										

Mechanical Properties:

	Tensile	Yield¹	Elongation	Reduction	
Pcs	PSI	PSI	%	of Area %	Comments
1	196,634	174,732	12.7	44.4	CAP TEST/LONG

¹(Offset: .2%)

Rockwell Hardness Results:

Pcs	Rockwell "C"
1	42

Note: The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute.

Jerry Giessinger
Corporate Quality Assurance Manager
This certification has been created and reviewed in
compliance with the Scot Forge QMS

SCOT FORGE



8001 Winn Rd., Box 8
Spring Grove, IL 60061
847/587-1000
FAX 847/587-2000

H00160 3 SS
Heat # G17804

PO # 108440 MATERIAL CERTIFICATION

Page 2 of 3

CASTLE METALS

Material Cert Number
710079 s8259R0

Brinell Hardness Results:

Pcs	3000 Kg Load
2	302

Other Testing or Inspections:

Solution anneal at 1900 degrees F for 10 hours
Age at 905 degrees F for 1 hours

ALL STEEL HAS BEEN MELTED AND MANUFACTURED IN THE UNITED STATES

QUENCH MEDIA - POLYMER

PIECE TEMP AT START OF SOLUTION ANNEAL: 1900 DEG F

PIECE TEMP AT FINISH OF SOLUTION ANNEAL: 86 DEG F

COOLING METHOD AGE: AIR

16.50:1 FORGING REDUCTION FROM ORIGINAL INGOT

CAST METHOD - INGOT

NO WELD REPAIR PERFORMED

MICRO-EXAM PERFORMED PER AMS 2315; RESULTS 0.13% DELTA
FERRITE.

MACROETCH PERFORMED PER ASTM E-340; RESULTS NO PIPE, CRACKS,
POROSITY, ETC.

FREQUENCY = .00 SEVERITY = .00 PER AMS 2303


Compliance Statements:

We certify that the material listed was not processed with mercury bearing instruments and/or equipment which might cause contamination, nor was mercury handled in the immediate vicinity during the manufacturing process. We also certify that the material was not processed or cleaned with low melting point materials as alloying constituents, i.e. lead, zinc, cadmium, tin, antimony, bismuth, sulfur, or their compounds.

In accordance with the requirements of the Pressure Equipment Directive, all testing, inspection, and documentation is produced in accordance with EN 10204:2004 Type 3.1 and ISO 10474 Type 3.1.B

Material provided has been produced by Scot Forge under an approved quality program as defined within the Scot Forge QA Manual, Revision 2, Dated 10/05/09.

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Jerry Giessinger
Corporate Quality Assurance Manager
This certification has been created and reviewed in
compliance with the Scot Forge QMS

CERTIFICAT D'ANALYSE DU MATERIEL
CERTIFICATE OF MATERIAL TEST REPORT



Castle Metals®

CLIENT:

DART AEROSPACE
1270 ABERDEEN
Hawkesbury, ON K6A 1K7 CA

MÉTAUX CASTLE CERTIFIE QUE LES INFORMATIONS SUIVANTES SONT CONFORMES AUX CERTIFICATS CHIMIQUE ET MÉTALLURGIQUE QUI NOUS ONT ÉTÉ FOURNIS PAR NOS FOURNISSEURS ET GARDÉS EN DOSSIER À NOTRE BUREAU.

CASTLE METALS CERTIFIES THAT THE FOLLOWING INFORMATION IS TAKEN FROM CHEMICAL AND METALLURGICAL TEST REPORTS FURNISHED TO US BY OUR SUPPLIER AND WHICH ARE ON FILE IN OUR OFFICE.

NOUS CERTIFIONS QU'À NOTRE CONNAISSANCE, IL N'Y A AUCUN MERCURE OU MATÉRIEL RADIOACTIF UTILISÉ LORS DE LA COULÉE OU TRANSFORMATION DE L'ACIER VENDU PAR NOTRE COMPAGNIE.

WE CERTIFY THAT WE HAVE NO KNOWLEDGE OF MERCURY OR RADIOACTIVE MATERIAL USED IN THE MELTING OR PROCESSING OF STEEL SOLD BY OUR COMPANY.

MANUFACTURIER(MOULIN)/MANUFACTURER(MILL) SCOT FORGE		NO. COMM. CLIENT/CUSTOMER ORDER NO. 14689		NO. RÉQUISITION CLIENT/CUSTOMER REQUISITION NO.	
IAC 15003	NO. COULÉE/HEAT NUMBER G17804	NO. COMM./ORDER NO. 1651825	LIGNE/LINE NO. 4	Q'TÉ EXPÉDIÉE/Q'TY SHIPPED 400.45 lbs	DATE LIVRÉE/SHIP. 24 Aout 11

6.5000.RD.17CR-4NI.STAINLESS.RT.SOL TR.COND

AMS 5643 R

10 PCS X 4.1

A.M. CASTLE & CO. (CANADA) INC

Sophie Bélanger

**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP

Page 1 of 1

Shipment No:950481

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
24-AUG-2011	ORIGIN	Prepaid		MANITOULIN		950481-2	

Shipment Details	Final Destination Branch - MON
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Order No	Line No	Item No	Description				
1651825	3	6004.MO	5.2500.RD.17CR-4NI.STAINLESS.RT.SOL TR.COND A.132.0000-156.0000 CUT TO 4.1 IN (+ .1250/- .0000 IN) - BAND SAW CUTTING SPECIFICATIONS: AISI 630,AMS 2303,AMS 5643,ASME SA564,ASTM A564,UNS S17400				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
14689		YOUR ITEM NUMBER: D6104-009		10 PCS		10 PCS	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
90711321		527171		10			258.84

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.			
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.			
Reviewed by Authorized Castle Metals Representative:		Date:	

CERTIFICAT D'ANALYSE DU MATERIEL
CERTIFICATE OF MATERIAL TEST REPORT



Castle Metals®

CLIENT:

DART AEROSPACE
1270 ABERDEEN
Hawkesbury, ON K6A 1K7 CA

MÉTAUX CASTLE CERTIFIE QUE LES INFORMATIONS SUIVANTES SONT CONFORMES AUX CERTIFICATS CHIMIQUE ET MÉTALLURGIQUE QUI NOUS ONT ÉTÉ FOURNIS PAR NOS FOURNISSEURS ET GARDÉS EN DOSSIER À NOTRE BUREAU.

CASTLE METALS CERTIFIES THAT THE FOLLOWING INFORMATION IS TAKEN FROM CHEMICAL AND METALLURGICAL TEST REPORTS FURNISHED TO US BY OUR SUPPLIER AND WHICH ARE ON FILE IN OUR OFFICE.

NOUS CERTIFIONS QU'À NOTRE CONNAISSANCE, IL N'Y A AUCUN MERCURE OU MATÉRIEL RADIOACTIF UTILISÉ LORS DE LA COULÉE OU TRANSFORMATION DE L'ACIER VENDU PAR NOTRE COMPAGNIE.

WE CERTIFY THAT WE HAVE NO KNOWLEDGE OF MERCURY OR RADIOACTIVE MATERIAL USED IN THE MELTING OR PROCESSING OF STEEL SOLD BY OUR COMPANY.

MANUFACTURIER(MOULIN)/MANUFACTURER(MILL) OUTO KUMPU		NO. COMM. CLIENT/CUSTOMER ORDER NO. 14689		NO. REQUISITION CLIENT/CUSTOMER REQUISITION NO.	
IAC 6004	NO. COULÉE/ HEAT NUMBER 527171	NO. COMM./ORDER NO. 1651828	LIGNE/LINE NO. 3	Q'TÉ EXPÉDIÉE/Q'TY SHIPPED 258.84 LBS	DATE LIVRÉE/SHIP. 24 Aout 11

5.2500.RD.17CR-4NI.STAINLESS.RT.SOL TR COND

AMS 5643 R

10 PCS X 4.1

A.M. CASTLE & CO. (CANADA) INC

Sophie Belanger

**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP

Page 1 of 1

Shipment No:950481

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Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
24-AUG-2011	ORIGIN	Prepaid		MANITOULIN		950481-2	

Shipment Details	Final Destination Branch - MON
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Order No	Line No	Item No	Description				
1651825	2	14998.MO	4.5000.RD.17CR-4NI.STAINLESS.RT.SOL TR.COND A.132.0000-156.0000 CUT TO 5.1 IN (+ .1250/- .0000 IN) - BAND SAW CUTTING SPECIFICATIONS: AISI 630,AMS 2303,AMS 5643,ASME SA564,ASTM A564,UNS S17400				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
14689		YOUR ITEM NUMBER: D6104-007		10 PCS		10 PCS	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
90711321		528306		10			236.43

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We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date:

Castle Metals FP

HEAT NUMBER 528306
MECHANICAL ID _____
ITEM CODE 14998
LOT NUMBER _____
PO NUMBER 88972
RECEIPT DATE 7/1/11
SUPPLIER Dutko Corp
SPECIFICATION _____
LCS N
COMMENT _____
APPROVED RC



Certificate of Test

HEAT 528306 ORDER 619377/ 08 BOL 0212619 * CERTIFICATION * 06/24/11

SHIP TO:
A. M. CASTLE METALS
3400 NORTH WOLF ROAD

FRANKLIN PARK 601310000

88972

YOUR ORDER & DATE
6/24/11 CUST# 0254001 CUST TAG#14998

ITEM DESCRIPTION
GRADE 17-4 Ship Condition CONDA
Size 17-4 RND HRART CONDA 4.5000 x 144.000 RL
Country of Melt: SWEDEN Country of Mfg.: UNITED STATES
NAFTA Country of Origin is Country of Melt
No weld repair
Free of mercury contamination, Free of radiation contamination
No WEEE relevant substances; Meets EU electrical ROHS

Total Bundles 1 Total Weight 1850

WO 2019135 Bundles: 1C

SPECIFICATIONS
MFG TO FINISHED BAR IN THE USA FROM BILLETS IMPORTED SWEDEN
AMS 2303F AMS 5643R
UNS S17400, AISI 630 ASME SA564 E10
ASTM A484 11 ASTM A564 10 Type 630
DFARS 252.225.7014 6/05 AMC 3174-02 R31
Sol Ann 1900F/1Hr/Rapid Cool AISI 630, UNS S17400
Reduction Ratio 3:1 minimum
H900 capability sample aged at 900F/1hr/AC then tensile and HRC tested

MECHANICAL & OTHER TESTS
Hardness as shipped 301 HB Hardness as tested 409 HB
Hardness as shipped 032 HRC Hardness as tested (44 HRC)
Grain size 7.0 Tensile strength, KSI (MPa) 202.0 (1393)
Micro OK 0.2% Yield Strngth, KSI (MPa) 179.0 (1234)
Intergranular corrosion
Macro OK Elongation % in 4D 13.0
Reduction of area % 40.0
Ferrite .0

CHEMICAL COMPOSITION
Carbon (C) .010 Manganese (Mn) .710
Phosphorus (P) .022 Sulphur (S) .025
Silicon (Si) .370 Chromium (Cr) 15.390
Nickel (Ni) 4.720 Cobalt (Co) .060
Copper (Cu) 3.430 Moly (Mo) .150
Nitrogen (N) .020 Columbium (Cb) .290
Titanium (Ti) .003 Aluminum (Al) .003
Tin (Sn) .005 Boron (B) .001
Tantalum (Ta) .005 Vanadium (V) .055
Columbium/
Tantalum (Cb+Ta) .295
Iron (Fe) Balance
Frequency .000 Severity .000
Melt Practice EAF
Refining Practice AOD
De-long Ferrite

Knowingly & willfully falsifying or concealing a material act on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under federal statutes. We hereby certify that the test results shown in this report are correct and accurate as contained in the records of the company and are in compliance with the specifications, codes, and standards listed above.

M.F. Marcanio, Quality Manager

M.F. Marcanio

CERTIFICAT D'ANALYSE DU MATERIEL
CERTIFICATE OF MATERIAL TEST REPORT



Castle Metals®

CLIENT:

DART AEROSPACE
1270 ABERDEEN
Hawkesbury, ON K6A 1K7 CA

MÉTAUX CASTLE CERTIFIE QUE LES INFORMATIONS
SUIVANTES SONT CONFORMES AUX CERTIFICATS
CHIMIQUE ET MÉTALLURGIQUE QUI NOUS ONT ÉTÉ
FOURNIS PAR NOS FOURNISSEURS ET GARDÉS EN
DOSSIER À NOTRE BUREAU.

CASTLE METALS CERTIFIES THAT THE FOLLOWING
INFORMATION IS TAKEN FROM CHEMICAL AND METAL-
LURGICAL TEST REPORTS FURNISHED TO US BY OUR
SUPPLIER AND WHICH ARE ON FILE IN OUR OFFICE.

NOUS CERTIFIONS QU'À NOTRE CONNAISSANCE, IL N'Y A
AUCUN MERCURE OU MATÉRIEL RADIOACTIF UTILISÉ
LORS DE LA COULÉE OU TRANSFORMATION DE L'ACIER
VENDU PAR NOTRE COMPAGNIE.

WE CERTIFY THAT WE HAVE NO KNOWLEDGE OF MERCURY
OR RADIOACTIVE MATERIAL USED IN THE MELTING OR
PROCESSING OF STEEL SOLD BY OUR COMPANY.

MANUFACTURIER(MOULIN)/MANUFACTURER(MILL) OUTO KUMPU		NO. COMM. CLIENT/CUSTOMER ORDER NO. 14689		NO. RÉQUISITION CLIENT/CUSTOMER REQUISITION NO.	
IAC 14998	NO. COULÉE/ HEAT NUMBER 528306	NO. COMM./ORDER NO. 1651825	LIGNE/LINE NO. 2	Q'TÉ EXPÉDIÉE/Q'TY SHIPPED 236.43 lbs	DATE LIVRÉE/SHIP. 24 Aout 11

4.5000.RD.17CR-4NI.STAINLESS.RT.SOL TR COND

AMS 5643 R

10 PCS X 5.1

A.M. CASTLE & CO. (CANADA) INC

Sophie Belanger

**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP

Page 1 of 1

Shipment No:950481

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
24-AUG-2011	ORIGIN	Prepaid		MANITOULIN		950481-2	

Shipment Details	Final Destination Branch - MON
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Order No	Line No	Item No	Description				
1651825	1	42470.MO	3.2500.RD.17CR-4NI.STAINLESS.RT.SOL TR.COND A.132.0000-156.0000 CUT TO 3.8 IN (+ .1250/- .0000 IN) - BAND SAW CUTTING SPECIFICATIONS: AISI 630,AMS 5643,ASME SA564,ASTM A564,UNS S17400				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
14689		YOUR ITEM NUMBER: D6104-003		30 PCS		30 PCS	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
90496307		8XK0		30			268

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Reviewed by Authorized Castle Metals Representative:

Date:

Castile Metals FP

HEAT NUMBER 8XK0

MECHANICAL ID _____

ITEM CODE 42470

LOT NUMBER _____

PO NUMBER 92567

RECEIPT DATE 4-20-2011

SUPPLIER XHS

SPECIFICATION _____

LCS AD

COMMENT _____

APPROVED AL

NAS

NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 636492 01 Mail To:
A.M. CASTLE AND COMPANY
3400 NORTH WOLF ROAD
FRANKLIN PARK IL 60131

Customer: 0032 001

NAS Order: LN 70143 2

Your Order: 92567

Ship To:
A.M. CASTLE AND COMPANY
3400 NORTH WOLF ROAD
FRANKLIN PARK IL 60131

Date: 4/17/2011 Page: 1 Of 1

Steel: 630(17-4)

Finish: Hot Finish

Dia/Thk: 3.2500 in

Leg Length:

Length: 144.00 in

Corrosion:

Item Code: 42470

PRODUCT DESCRIPTION:

AMS 2303E, AMS 5643R
Round Bar, Hot Rolled, Annealed, Rough Turned
UNS S17400; EN 10204 3.1B, ASTM A484/08
ASTM A564/10 ASME SA564-07

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC. RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
ED70675	1340								

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Span) US(United States) ZA(South Africa) JP(Japan)

Heat	Supplier #	CM	C	CB	CO	CR	CU	MN	MO	N	NI	P
8XK0		US	.051	.258	.04	15.25	3.42	.46	.14	.035	4.30	.026
			S	SI	TA	TI						
			.0174	.55	.0100	.0020						

MECHANICAL PROPERTIES

	1 d o i c r	HB No.	Ferr %	TS-C KSI	YS-C KSI	El-C %	RA-C %	RC-C No.
BD70675	R L	352.0	.40	202.22	178.47	12.25	46.92	42.0

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

QC ENGINEER

ERIC HESS



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO14689**

Purchase Order Date 8/16/2011

PO Print Date 8/16/2011

Page Number 1 of 2

Order From :

VC-MET001

METAUUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Contact Name

Vendor Phone

514 694 9575

Vendor Fax

514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
8/16/2011

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D6104-003P ✓	17-4 SS Roundbar 3.25"OD	8/30/2011 Yes	✓ 30.00 Each	Yours ppd	\$42.0000	\$1,260.00
Special Inst: AS PER DWG D6104 REV. B B72807 MATERIAL: 17-4 PH STAINLESS STEEL BILLET AS PER AMS 5643 OR AISI 630 SIZE: 3.25" X 3.80" LONG TOLERANCE ON ALL DIMENSION ARE +0.030"/-0.000"							
2	D6104-007P	17-4 SS Roundbar 4.50"OD	8/30/2011 Yes	✓ 10.00 Each	Yours ppd	\$102.0000	\$1,020.00
Special Inst: AS PER DWG D6104 REV. B B72809 MATERIAL: 17-4 PH STAINLESS STEEL BILLET AS PER AMS 5643 OR AISI 630 SIZE: 4.50" X 5.10" LONG TOLERANCE ON ALL DIMENSION ARE +0.030"/-0.000"							

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 8/16/2011



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO14689

Purchase Order Date 8/16/2011

PO Print Date 8/16/2011

Page Number 2 of 2

Order From :

VC-MET001

METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

514 694 9575

514 695 3281

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

3	D6104-009P	17-4 SS Roundbar 5.25"OD	8/30/2011	10.00	Yours ppd	\$121.0000	\$1,210.00
			Yes	Each			

Special Inst: AS PER DWG D6104 REV. B
B72810
MATERIAL: 17-4 PH STAINLESS STEEL
BILLET
AS PER AMS 5643 OR AISI 630
SIZE: 5.25" X 4.10" LONG
TOLERANCE ON ALL DIMENSION ARE
+0.030"/-0.000"

4	D6104-011P	17-4 SS Roundbar 6.50"OD	8/30/2011	10.00	Yours ppd	\$188.0000	\$1,880.00
			Yes	Each			

Special Inst: AS PER DWG D6104 REV. B
B72808
MATERIAL: 17-4 PH STAINLESS STEEL
BILLET
AS PER AMS 5643 OR AISI 630
SIZE: 6.50" X 4.10" LONG
TOLERANCE ON ALL DIMENSION ARE
+0.030"/-0.000"

PO Total: \$5,370.00

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 8/16/2011

TRANSMISSION VERIFICATION REPORT

TIME : 08/17/2011 07:46
NAME :
FAX :
TEL :
SER.# : F9N212739

DATE, TIME	08/17 07:45
FAX NO./NAME	15146953281
DURATION	00:00:32
PAGE(S)	02
RESULT	OK
MODE	STANDARD
	ECM

Chantal Lavoie

From: Desbiens, Marc <mdesbien@amcastle.com>
Sent: August 16, 2011 10:41 AM
To: Chantal Lavoie
Subject: RE: quote

Hi Chantal,

price & delivery on material.

D6104-003 X 30	\$ 42.00 pce
D6104-007 X 10	\$ 102.00 pce
D6104-009 X 10	\$ 121.00 pce
D6104-011 X 10	\$ 188.00 pce

All 9 days

Thanks

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DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 613-632-5200		B/L NUMBER / CONNAISSMENT 14689		STICKER / ÉTIQUETTE 1270721468		DATE 25-Aug-11	
						TRAILER / REMORQUE	
AM CASTLE & CO CANADA INC 835 SELKIRK AVE. POINTE CLAIRE, PQ H9R 3S2 514-694-9575		MANITOULIN TRANSPORT PO BOX 390 ATTN Interlines Payable GORE BAY, ON P0P 1H0				ORIGIN/ORIGINE OTT DEST. OTT	
DELIVERY INSTRUCTIONS / INSTRUCTIONS DE LIVRAISON							
PO#:14689							
PIECES / COLIS 2	BOXES ON:1651825 FUEL SURCHARGE (11.40%)	DESCRIPTION	WEIGHT / POIDS 1265	AS WT./COMME POIDS	RATE / TARIF	COLLECT / PORT DÙ	
2		PREPAID	1265				
RECEIVED FROM / REÇU DE MANITOULIN		REFERENCE / RÉFÉRENCE 15172709	DRIVER NAME / NOM DU CHAUFFEUR 1901	DRIVER ID #	DELIVERY DATE / DATE DE LIVRAISON Aug, 25/11		GT TSP
TRANSFERRED TO / TRANSFÉRÉ À		NOTICE: THE CONSIGNEE ON PREPAID FREIGHT MAY BE LIABLE FOR THE CHARGES PURSUANT TO SECTION 2 OF THE BILLS OF LADING ACT. AVIS: LE CONSIGNÉ SUR FRET PRÉPAYÉ PEUT ÊTRE SUJET AUX FRAIS DE CARGAISON POUR SUIVI À LA SECTION 2 DE L'ACTE DE CONNAISSMENT.		ARRIVAL TIME / TEMPS ARRIVÉ	TIME IN / TEMPS ENTRÉ	TIME OUT / TEMPS SORTIE	
RECEIVED IN APPARENT GOOD ORDER / REÇU EN BON ÉTAT APPARENT X			PLEASE PRINT LAST NAME / NOM DE FAMILLE EN LETTRES MOULÉES S.V.P. X			AMOUNT DUE / MONTANT À PAYER	